

HARIKA BANDELA

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EDUCATION

Master of Science in Information Systems (MIS) - Project Management

January 2022 - December 2023

Arizona State University, Tempe, AZ

GPA: 4.0/4.0

Bachelor of Technology in IT

August 2017 - August 2021

Bhoj Reddy Engineering College for Women - Hyderabad, India

GPA: 8.1/10.0

TECHNICAL SKILLS

Programming Languages: Python (Pandas, NumPy), Java, J2EE, C, C++, JavaScript, PHP.

Web Technologies: HTML5, CSS3, Bootstrap, React JS, React Native, XML, Angular.

Web Framework: Spring Boot, NodeJS, SOAP/REST, Apache Spark, Json, Django.

Tools: Amazon Web Services (EC2, ECS, IAM, Amplify, CloudWatch, Lambda, Route53, S3), GCP, Docker, Git.

Databases: SQL (MySQL, PostgreSQL, Oracle, PL/SQL), NoSQL (MongoDB, DynamoDB), Microsoft SQL Server.

Testing Methodology & Operating System: Terraform, Scrum, Linux/Unix Shell, Agile methodologies, Test-driven development.

Coursework: Data Structures and Algorithms, Computer Networks, object-oriented programming, Software development.

PROFESSIONAL EXPERIENCE

SDE

August 2021 - December 2021

Dell Technologies

Bangalore, India

- Strengthened technical solutions for 15+ clients, integrating infrastructure, architecture, ITIL, Agile, SaaS, and DevOps.
- Executed ETL from SQL database with 10,000 transactions using VBA and created dashboard in Power BI and Excel.
- Implemented automation solutions within containerized environment, using Prometheus, Kubernetes, and CI/CD pipelines. Integrated seamlessly with AWS Code Pipeline & Jenkins to generate alerts, enhancing system reliability by 25%.
- Coordinated Java and Spring Boot back-end development aligned with business requirements and technology support fostering team collaboration and Maven for streamlined builds.

Software Developer Intern

June 2020 - June 2021

Void Main Technologies

Hyderabad, India

- Deployed an ECommerce website with 100% uptime, utilizing Django, Python, Bootstrap, HTML, CSS, JQuery and JavaScript.
- Linked PayPal as a payment method and designed a user-friendly checkout flow for both registered and guest users.
- Optimized Response time by 15% by troubleshooting to optimize web APIs and provide smooth customer experience.

Software Engineer Intern

January 2020 - June 2020

Wstazure Software Solutions

Hyderabad, India

- Augmented system performance by 30% for a health management client through the development and implementation.
- Improved user satisfaction by 20% through documentation and the implementation of responsive front-end design.
- Conducted 20 Jira code submissions on projects, implemented manual testing and test automation to improve REST API practices, change management and enhanced microservices with version control.

PROJECTS

Social Research Organization Web Application, ASU

April 2023 - May 2023

- Empowered automatic scaling using a launch template, resulting in a 50% reduction in server downtime during peak traffic.
- Enhanced security with SSL/TLS encryption, AWS Security Groups achieved 70% reduction in unauthorized access risk.
- Leveraged AWS EC2, API Gateway, Lambda, DynamoDB, and CloudWatch for integration, monitoring, and deployment.

Student Admission Management System, ASU

March 2022 - April 2022

- Engineered an interactive platform to maintain records of 500,000 users and transactions of admission management.
- Modelled data using Docker, NoSQL, GraphQL and JSON for storing and modifying student data in database.

Chatbot Broadcasting Server, ASU

April 2022 - May 2022

- Led a project team of 3 in deploying a chat server, implementing Python and TCP/IP Sockets for effective communication.

On-Road Vehicle Breakdown Assistance Finder, BRECW

January 2021 - April 2021

- Developed an Android app in Android Studio using Java and Google Maps API, and Git version control.

TodoMatic, BRECW

September 2020 - November 2020

- Customized a web application to-do app, built with Node.js, React.js, Redux, Express, Git and MongoDB.
- Verified with a responsive design optimized for multi-device compatibility, with a 20% increase in task completion rate.

CERTIFICATIONS

- AWS Cloud Practitioner
- MuleSoft Developer Level 1